



SEQUENCE LISTING

<110> THE JOHNS HOPKINS UNIVERSITY
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UEKI, Takashi

<120> DIFFERENTIALLY METHYLATED SEQUENCES IN PANCREATIC CANCER

<130> JHU1700-1

<140> US 10/084,555

<141> 2002-02-25

<150> US 60/271,268

<151> 2001-02-23

<160> 114

<170> PatentIn version 3.1

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<223> n is any nucleotide

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<213> Homo sapiens

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 <213> Homo sapiens

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 catagcctcc tacagtgaga aacgcccccc acccgacgt gcgctcatct gtgtccccgc 180
 tggtgccggg gctctggtat ccacttgccg gccctatgtg gtggggatcc acccagagcc 240
 cagcgtcaag ttatacgggc gcttcaactca gcgtcagcca agaccagga agcgttctt 300
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 gtgtccccgg g 371

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 <212> DNA
 <213> Homo sapiens

<400> 31
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 cagggccacg gcgaggacgg gcactggtca gattccggac aggcggtcct ggccccggg 179

<210> 32
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 <212> DNA
 <213> Homo sapiens

<400> 32
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 agaaggcgag gatgcgcgcg tacttcgtgt ccttgggtctc atcgtcacgt gtgagtatcg 180
 accaggtcat catcgcacgt ggtaccatag tggaagtagt tggcaaactc gctagagtct 240
 gctggaggaa cgagcccgcc gtaggacgga cacacctgag tgccccctcc acgcgagccc 300
 aaagcgggtg cagggcacct cccaccacat ttctggccaa agttcccatt tgaggcccgc 360
 cctctcctct gcgcagtctt agagactggc gaggcacgcg caaacgccct cttccctgag 420
 acctgacccc acccaccac ccggg 445

<210> 33
 <211> 357
 <212> DNA
 <213> Homo sapiens

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 tttcttcac tctctccctt ccctcctcct cacccttgc ctgccccca acccggcag 180
 ggcgaggtg tccaaccag ccgggacccc ctocctcctc gaaccaggt gttccggctc 240
 ccagacccca attgagctgg gggcgccac ccgccccggg atcccgcct gcgtcccca 300
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 cgaaacacag ctcaaagttt ccgagagcag tcacagcggg gccagggact ccagaagtgt 180

cagctccaac gactccagag ctgcacactg gcctctattc cccaccgcaa agccccagag 240
 ccgcagagac ttcgaaggca gccggagagg agagggccca ccgagcacta cggcgggtgc 300
 gcacgccccg gg 312

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 ctgacgtctg ggctggggag gagcgggtcc gagcaggagc ggagagggga cagagggaaa 180
 gggagggcggg tgtcttctc aggaatttga gctggggatc tgcattcctgg ccattgcagt 240
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 ggctgatgcc gcgtctctg cgcctgttct gggacgtcgg ggacaaaagt ggaggagacg 360
 ggagagccccg gg 372

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 gccccgcgcc tcatcactta ccttgccctt agctatcaat tccatgatgt agccaaattc 180
 actcatctcc ccagactccg acatgtttac accccttcac aaactctgga ggaccgacgc 240
 ggggtgtatcg aatttgtcct ttcttttctc tttttctgtt tttagtctga gttttgccga 300
 gctccccgcc cataagctgt taaccaggaa aagaggggaa gcgccgggga aagcaagaag 360
 cgggcttggg tgaaatgaag gccatcgagg gctccccgg 399

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 <212> DNA
 <213> Homo sapiens

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 tgtcttcggg gaaaccaagt ctgagtgagc gctgaagggg agtgtgcgga gcgtgccgtg 180

caccccgagc ccccgccctc attgcctctc gcctctctcc acctgcccc a tgatctgcgc 240
cagggaccgg tcctctcccg tccgcaggct gtctaggtgg ccgttctggt ttgctgggac 300
ccccggg 307

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<211> 331
<212> DNA
<213> Homo sapiens

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ggcggggaag ggcgatctga cgatcagga gttgcgcccc tctctctggg cctcgtgaag 180
gaacaagagc aattacagcg ctgggcccgc cacgtagtcc tggggctagg tgggccaat 240
gctccggggc gcggggctgg agcgcggagg ctggagaggg aggaggacc tccgcggctc 300
caggtctccc agctggaggc tcacgcccgg g 331

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tcttcgggga aaccaagtct gaggtagcgc tgaaggggag tgtgcggagc cgtgccgtgc 180
accccgagcc ccccgccctc ttgcctctcg cctctctcca cctgccccat gatctgcgcc 240
agggagccgg tcctctcccg tccgcagctg tctaggtggc cgttctggtt tgctgggccc 300
cggg 304

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<212> DNA
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cgaagacaca ctctcgtccc cgccgcgtga ttgccactc cttccgctg cactccagcc 240
tccttctcac ccttctcgtc agcgcacagg cggctgcaa gtcggcaccg gtgcgcaccg 300

gcccggg 307

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 tcttcgggga aaccaagtct gaggtagcgc tgaaggggag tgtgcggagc cgtgccgtgc 180
 accccgagcc ccccgccctca ttgcctctcg cctctctcca cctgccccat gatctgcgcc 240
 agggagcccg tcctctcccg tccgcagctg tctaggtggc cgttctgggt tgctgggccc 300
 cggg 304

<210> 42
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<220>
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 ttcttgggct ggggacagtg aggtcatcgc tgcccatcct ggagctcttg ctcctttcgg 180
 gtacctgttc cctctcccag agagaccccc agctgcatgc aggcctagtg ggctccacgg 240
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 agccgccgct acttctcac cctcttggtc ctgcatttcc acgtctcatg gagccaacga 360
 gagcaggggg tttgagccct tgtggaaatc tggggaggca ctgcttctcc ctccatgtga 420
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<400> 44
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<210> 45
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<220>
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<400> 45
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<210> 46
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<220>
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<400> 46
 agagaggagt ttagattgg 19

<210> 47
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<400> 47
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<400> 48
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 <400> 50
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 <400> 51
 attatttttag tagaggtata taag 24

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 aagagagggt tggagagtag 20

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24

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21

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26

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23

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<400> 58
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25

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21

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23

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24

<210> 62
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24

<210> 63
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24

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21

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19

<210> 66
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19

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31

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29

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23

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22

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21

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<210> 74
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<400> 74

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22

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24

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21

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23

<210> 78

<211> 25

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25

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<220>
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 <400> 81
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<210> 82
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 <400> 84
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 <400> 85
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 <210> 86
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 <400> 86
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 <210> 88
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 <400> 88
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 <210> 89
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<400> 95
 aaaaaaaaaac acctaaaact ca 22

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<210> 97
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<210> 98
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<400> 98
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<210> 100
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<210> 102
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<210> 103
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<210> 104
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<210> 105
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19

<210> 106
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<400> 106
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21

<210> 107
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<400> 107
 caaccccaaa cccacaacca taa

23

<210> 108
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<400> 108
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22

<210> 109
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23

<210> 110
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<400> 110
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<210> 111
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<400> 111
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<400> 112
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<210> 113
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<400> 113
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<210> 114
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<400> 114
 ccgaaaaccc cgcctcg 17